

Amendments to the Specification:

Please replace paragraph [0032] with the following amended paragraph:

[0032] Figure 4 5 shows a table listing the sample calculation of correction factors by assuming that a perfect, isentropic flow gas is delivered and a small pressure drop is produced by the orifice. Under normal environmental and physiological conditions, a perfect gas assumption is valid, and the same is also true for most environmental conditions. For example, referring to the second row of the table, when the barometer pressure is 14.2psia instead of 14.7psia at the sea level, the correction factor is 1.7% higher than 1. Therefore, whenever any of the above parameters changes, the correction has to be made to ensure the accuracy of the rate of the gas flowing to the patient.